

Photocurrents in Semiconductors With
Carriers, by H. Puff, 18 pp.
GERMAN, per, Physica Status Solidi,
Vol VI, No 3, 1964, pp 975-990. 9699087
FTD-TT-65-766

Sci - Elec
Jan 66

294,749

Magnetic Microstructure and Magnetic Characteristics
of etched Film. I. General Ripple Equation - Ripple
Hysteresis and Rotating Hysteresis, by H. Hoffman.
GERMAN, per, Physica Status Solidi, Vol 7, 1964,
pp 89-104.
*NASA TT F-11,987

Oct 68

Green's Function Method in the Theory of the
Absorption of Light by Impurity Centers in
Solids, by A.P. Lubchenko, B.M. Pavlik.
GERMAN, per, Physica Status Solidi, Vol 7,
1964, pp 105-119. P911067666
NEC SC-T-66-732 Pt 1

Sci/Physics
Oct 66

311,484

ACSI #85 CN-502 R-9670-D
8 Aug 68
Elektronenmikroskopische Beobachtungen von Verset-
zungen in CdS-Kristallen
By: W. MOHLING & J. HEYDENREICH
From: Phys. stat. sol. 7, 1964: 155-165 (11 p)
German - est for wds:
Please translate and type 1 copy only.

Paramagnetic Resonance of No^{2-} in Two Iso-
structural Cubic Crystals of Pb^{3+} Lead Nitrate and
Strontium Nitrate, by K. Zdansky, Z. Kroubek.
GERMAN, per, Physica Status Solidi, Vol VII,
No 1, 1964, pp 167-172.
*FTD-TT-65-1748

Sci - Chem
Nov 65

Optical Properties and Band Structure in the SeTe
system, by J. Stuke, H. Keller,
GHR:AN, per, Phys Stat Sol, Vol 7, 1964, pp 189-
203.

ATS 1207-GJ

sci - misc
Aug. 67

338,279

Quantum Theory of Thermogalvanomagnetic Phenomena in Metals and Semiconductors, Part II.
by P. S. Zyryanov.
GERONA, per, Physica Status Solidi, Vol 7,
1964, pp 223-230.
NSA TT F-11,154

Sci-Phys
Nov 67

344,668

ACSI #126 CN-495-68

R-9667-D

8 Aug 68

Zum Einfluß freier Elektronen auf die Eigenabsorption-
skante halbleitender Zinndioxydschichten

By: H. KOAH

From: Phys. stat. sol. 7, 263, 1964: 263-275 (13 pp)

German - est for wds:

Please translate and type 1 copy only.

Morphology and Mechanism of Growth of Aln
Single Crystals, by J. Pasternak
GERMAN, per, Physica Status Solidi, Vol 7,
1964, pp 331-338
NTC 71-16882-20L

SEARCHED BY 7-10-71
SERIALIZED BY [unclear]

220,334

Feb 72

Green's Function Method in the Theory of Light
Emission by Impurity Centers in Solids, by
A. F. Lubchenko, B. M. Pavlik.
GERMAN, per, Physica Status Solidi, Vol 7, 1964,
pp 433-444. P911004266
AEC SC-T-66-732

Sci/Physics
Aug 66

306,359

Investigations of the Plastic Range of Neutron-Irradiated Copper Single Crystals. III. The Characteristics of Glide Obstacles, in Particular the Activation Energy, by Ch. Schwink, 19 pp. GERM/AN, per. Phys. Status Solidi, Vol VII, 1964, pp 481-496. 0229720
AEC-ANL-Tr-174

Sci-Phys
Aug 65

286,392

**Investigation of the Electric and Thermoelectric
Properties of Modifications of Metal-Free
Polypyridines, by C. HUBER and H. GUNDEL.
CHEMIL, par. German Patent 2,111, No. 1,
309-320, 1961.
REF-46
9700507**

FOR OFFICIAL USE ONLY

Chem
Aug 66

308,663

Contrast Phenomena of Dislocation Pairs in
Nickel-Aluminum Alloys with a Coherent Precip-
itation of Ordered Regions, by M. Wilkens and E.
Hornbogen, 18 pp.

GERMAN, per, Phys. Stat. Sol., No 4, 1964,
pp 557-568. P911354467
AEC IS-Trans-69

Sci-Materials
Nov 67

344,262

The Influence of γ -Irradiation at Low
Temperature on the Internal Friction of
Superpurity Copper, by D. König, J. Volkl. *1966*
GERMAN, per, Physik. Statm. Solidi, *Vol 7*
pp 577-590, 1964 9229757
AEC AI-Tr-75

Sci-M&M
Nov 65

291,701

The Diffusion of Cu^+ -ions in AgCl and AgBr
Crystals (1), by P. Suptits.
GERMAN, per. Phys. Stat. Sol., 7, 1964,
pp 653-666.
•NBS TT 70-57304

Sci-Mat
Aug 70

The Diffusion of Cu⁺-ions in AgCl and
AgBr Crystals (11), by P. Suptitz.
GERMAN, per, Phys. Stat. Sol. 7, 1964,
pp. 667-678.
*NBS TT 70-57303

Sci/mater
Jul 70

Application of Electron-Microscopic
Fine-Range Diffraction for the Determination
of the Rolling Texture of Copper, by F.
Haessner, U. Jakubowski.
GERMAN, per, Physica Status Solidi, Vol VII,
pp 701-710, 1964 9229912
AEC ORNL-Tr-638

F. Haessner

Sci-M&M
Oct 65

290,591

Electron-microscopic Determination of
the Orientation Distribution of Crystallites
In Rolled Copper, by K. Lucke, H.
Perlwitz,
GERMAN, per, Physica Status Solidi,
Vol III, pp 733-746, 1964 9229938
AEC ORNL-Tr-509

Phys-Sci
Oct 65

290,597

Light-Sensitive, Space Charge-Limited
Currents, by W. Halfrich,
GERMAN, per, Phys Stat Sol, Vol VII, 1964,
pp 863-868.
ATS 1192 GJ

Elect
Jul 67

331,666

Paramagnetic Resonance Investigations of
Silver Halogenides Doped With Fe, by K. Hennig.
STENCH, per, Physica Status Solidi, Vol 7, No 3,
1964, pp 885-892.

HTC-71-10744-20L

ETD IT - 657-903 76 77 7695453

Nov 71

Study of Atomic Defects in Cold-Worked
Copper by Means of its Electrical Resistance,
by F. Hamsteiner.
POLISH, per, Physica Status Solidi, Vol VII,
1964, pp 937-952. 9231892
UCRL Tr-1295

Sci - Elec
Feb 66


296,501

Concerning Some Mechanical Damping Phenomena
in Copper Produced by Lattice Defects, by E. Walz,
25 pp.
GERMAN, per, Physica Status Solidi, Vol VII, 1964,
pp 953-978. 9329324
AEC-AI-TT-90

Sci-Phys
Aug 65

Wide-Band Modulation Through Control of the
Emission of an Optical Laser, by K. Gurs, R.
Muller, 12pp
DUTCH, per, Physics Letters, Vol 5, 1963, No 3,
pp 179-181
SLA TT-64-18588
SLA TT-64-16615, 11pp
TT-64-10401, 4pp

Sci - Phy
June 67

327,567

Determination of the Path of Earthquake Waves
in the Earth's Interior, by E. Wiechert, 49 pp.

GERMAN, per, Physik, Vol XI, 1910, pp 294-311.

SLA 58-1911

Sci - Geophysics
Jan 59

79,745

Gas Discharge Lamps and Their Physical
Problems, by Christoph Meyer, 22 pp.
GERMAN, per, Physik Blatter, Vol XII,
1956, pp 19-28; 62-73.
Dept of Navy Tr No 5160/ONI 2306

Sci - Phys
Mar 67

320,513

Mayer, Herbert.
METHOD FROM ALKEMADE-DRUDE: APPROXIMA-
TION FOR THIN LAYERS ($d < 100 \text{ \AA}$). [1963] 10p
21refs
Order from SLA \$1.10 63-18171

Trans. of mono. Physik Dünner Schichten, n. p., 1930,
pt. 1, chap 3, sect. 3.4. b, p. 82-89.

DESCRIPTORS: *Optics, *Surface area, Optical prop-
erties, Materials, Polarization, Light, Reflection,
Refraction, Refractive index, Measurement, *Electro-
magnetic wave reflections, Dielectric films.

A general discussion of the Drude method (and its
modifications) for the approximation of thin layers
($d < 100 \text{ \AA}$).

(Physics--Optics, TT, v. 10, no. 10)

63-18171

1. Title: Drude method
1. Mayer, H.

Office of Technical Services

Investigation of the Superconduction of the Tl-Rb
Alloy System, by Werner Buchel, Gerald Lunnar,
et al, 14 pp.
GERMAN, per, Physik Kondensierten Materie, Vol 1,
1963, pp 67-77. 922891
AEC-ANL-Tr-152

Sci-Phys
May 65

379,443

Busch, G. and Tiesche, Y.
**ELECTRICAL RESISTIVITY AND HALL EFFECT IN
MOLTEN METALS AND SEMICONDUCTORS**
(Resistivité Electrique et Effet Hall de Métaux et
Semiconducteurs Fondus) D. A. Sinclair, tr. 1963, 31p
66refs NRC Technical Trans. 1099.
Order from NRC \$2.00 **NRC-C-4588**

Trans. of Physik der Kondensierten Materie
(West Germany) 1963, v. 1, p. 78-104. (Abstract
available)

DESCRIPTORS: *Liquid metals, Melting. *Semicon-
ductors, *Resistance (Electrical), *Hall effect, Metals,
High temperature research, Sodium, Zinc, Cadmium,
Mercury, Gallium, Germanium, Antimony, Tellurium,
Impurities, Bismuth, Alloys.

An apparatus is described for measuring the Hall effect
(Physics--Solid State, TT, v. 11, no. 6) (over)

TT-64-12233

I. Busch, G.
II. Tiesche, Y.
III. NRC-TT-1099
IV. NRC-C-4588
V. National Research
Council of Canada,
Ottawa

Office of Technical Services

Methods of Gas Determination in Metals, by R. Kern.
GERMAN, per, Physik der Kondensierten Materie,
Vol I, No 2, 1963, pp 105-124.
BISI 8574

GB 60/1633

Sci - Engr
Aug 64

264,254

Diffusion of Protons (Tritons) in Ice
Crystals, by O. Dengel, N. Riehl.
GERMAN, per, Phys Kondens Materie, 1963,
pp 191-196.
NLL Ref: 9023.175 (500)

Sci-Nucl Sci
Mar 69

377,266

Relaxation Phenomena in Coldworked Copper Caused
by Interstitial Atoms, by Johann Voelki,
Werner Schilling, 28 pp.
GERMAN, per. Physik Kondensierten Materie, Vol I,
1963, pp 295-315. 9222636
AEC-AI-Tr-34

Sci-Phys
Jun 64

260,920

Symmetry and Microwave Spectra of Polyatomic
Paramagnetic Centers, by Fritz K. Kneubuhl,
50 pp.

GERMAN, per, Phys Kondens Materie, No 1, 1963,
pp 410-447.

AEC/SC-T-71-3005

Sci/Phy
Mar 71

Wave Structure of Magnetic Ripples
in Thin Permalloy Film, by H. Hoffmann.
GERMAN, per, Physik der Kondensierten
Materie, Vol 2, 1964, pp 32-52
NTC 72-11865-20C

June 72

The Dislocation Structure of the Boundary Layer
When Silver and Copper are Joined, by

U. Gradmann.

GERMAN, per, Physik der Kondensierten Materie,

Vol 3, 1964, pp 91-98.

NTC 71-14542-20L

Revised 17 Feb 72

Feb 72

Kayser's "Physics of the Ocean", by
Carl Forch.
GERMAN, bk, Physik des Meeres, 1911,
pp 201-233.
Dept of Navy HOO Contract Trans 33

Sci-Ear Sci
Nov 69

<p>Smekal, Adolf. ELECTROPHYSICS OF SOLID SUBSTANCES, I. (1969) 38p (fig omitted) 177refs Order from SLA \$3.60</p> <p>63-18567</p> <p>Trans. of [Physik in Regelmässigen Berichten] (Germany) 1936, v. 4, no. 1, p. 17-33.</p> <p>DESCRIPTORS: *Solids, *Irons, *Conductors, Crystal structure, Crystal lattices, Surfaces, Crystal lattice defects, Glass, Temperature, Transport properties, Thermal conductivity, Chemical bonds.</p> <p>(Physics--Solid State, TT, v. 10, no. 10)</p>	<p>63-18567</p> <p>1. Title: Electrophysics I. Smekal, A.</p> <p>Office of Technical Services</p>
---	---

63-20150

Smekal, Adolf.
ELECTROPHYSICS OF SOLID SUBSTANCES, II. [1963]
48p (formulae omitted) 384refs
Order from SLA \$4.60

63-20150

Trans. of [Physik in Regelmässigen Berichten]
(Germany) 1940, v. 8, no. 4, p. 127-148.

DESCRIPTORS: *Solids, *Ions, *Conductors, Crystal
structure, Crystal lattices, Surfaces, Crystal lattice
defects, Diffusion, Glass, Temperature, Transport
properties, Thermal conductivity, Chemical bonds.

(Physics--Solid State, TT, v. 10, no. 11)

1. Title: Electrophysics
1. Smekal, A.

Office of Technical Services

Preparation, Support, and Propagation of the Dose
Unit for X and Gamma Radiation With Quantum Energy
Between 3 and 500 Kev, by B. Rajewsky.

GERMAN, bk, Physikalisch-Technische Bundesanstalt,
Germany, 1955.

*AEC

Sci - Nuc Phys

Oct 59

The Calculation of Corrections for
Engagement Errors in Screw Threads, by
M. Gary.

GERMAN, per, ~~Physikalisch-Technische
Bundesanstalt Wissenschaftliche Abhand-
lungen, Vol VII, No 2, 1955, pp 5-15.~~

CSIRO 3504

Sci - Engr

186,563

Feb 62

Investigations of the Suitability of "Centanin"-
Wires for Precision Resistors, by H. Metzger,
F. Melchert.

GERMANY, per, Physikalisch-Technische Bundesanstalt,
Wissenschaftliche Abhandlungen, Vol XII, 1960,
pp 349-355.

CSIRO/No 5820

Sci
Feb 63

Material With a High Initial Permeability Rept,
II., by E. Gumlich, W. Steinhaus, 4 p.

GERMAN, per, Physikalisch-Technische Reichsanstalt
Wissenschaftliche Abhandlungen, 1930, Vol XIV,
No 1, pp 261-265.

SLA 60-10436

Sci
Apr 60
Vol III, No 3

112,059

Summary of:
Physics of Gas Discharge and Plasma, 16 pp.

GERMAN, per, Physikalische Abhandlungen aus der
Sowjetunion, Vol 10, No 1, 1957.

SIR-2878
Head, Lib Sv Sec
Air Info Div, Lib Cong

The Shell-Model of Atomic Nuclei, by F. L. Bauer.

Full translation.

GERMAN, per, Physikalische Blatter, Vol VII, No 5,
1951, pp 205-214.

AEC Tr 1614

Scientific - Nuclear Physics

Jul 53 CES

4019

Advances in the Field of Thermionic Cathodes,
by H. Steyskal, 16 pp.

GERMAN, per, Physik Bl, Vol VIII, No 11, 1952,
pp 493-500.

SLA Tr 57-719

Sci - ~~PH~~ Physics

Aug 57

50,668

For a Progressive Soviet Physics, 4 pp.

GERMAN, per, Physikalische Blatter, Vol IX, No 6,
Jun 1953, pp 264-266

ATIC F-15-8174

Scientific - Physics

ATIC 129081
CIA 2001354

CTS/DBK

7013

Reports by the Physical Society by the DDR
(Russian Zone in Germany), 6 pp. UNCLASSIFIED

GERMAN, per, Physikalische Blatter, No 7, 1954,
pp 328-331. CIA D 210742

ATIC F-78-8418/III

Scientific - Physics
May 55 CTS
ATIC 188380

24,068

Energy-Transference Processes in Luminescence,
by Wilhelm Hanle, UNCLASSIFIED

GERMAN, per, Physik Blatter, Vol X, 1954,
pp 565-577.

AEC Tr 3105

59,299

Sci - Phys
Feb 58

The Meteorological Observatory Aachen of the
German Weather Service, by H. Israel, 6pp.

GERMAN, per, Physikalische Blatter, Vol XI,
No 2, 1955, pp 77-80.

American Meteorol Soc for
Geophysics Res Dir, ASTIA
T-100 G U

33,884

Sci - Geophysics
May 1956

Cosmic Voyages and the Clock Paradox, by
Max Born, 7 pp.

GERMAN, par, Physik Blatter, Vol XIV, 1958,
pp 207-212.

MDS B-144
9092598

171, 292

Sci

Oct 61

The So-Called Superbomb, by Ulrich Jetter.
GERMAN, per, Physik Blatter, Vol VI, 1960,
pp 199-205. 9281909
AEC-ORNL-Tr-842

Sci - NS
Feb 66

295,477

Some Recent Results of the Electron-Microscopic
Investigation of NaCl Surfaces, by H. Bethge.
GERMAN, per, Physikalische Blätter, Vol ~~X~~ XVI,
No 4, 1960, pp 223-227.
GB/163

Sci - OPhys
Apr 64

253,341

Simplified Electron-Microscope Target Preparation;
by H. Poppa.

GERMAN, per; Physikalische Blatter; Vol XVI;
No 4, 1960, pp 203-207.

GB/163

Sci-Phys
Feb 63

222,597

(DC-4963)

New Entrance Requirements for East German
Institutes of Higher Education, 1960-1961, by
H. Lehman, 4 pp.

GERMAN, per, Physikalische Blaetter, Vol XVI, No 9,
1960, pp 493, 494.

JPRS 6572

EEur - Germany
Soc
Jan 61

137,975

Anti-Matter, by R. Hagedorn, 20 pp.

GERMAN, per, Physik Hl., Vol XVIII, ^{Nov 6} 1962, pp 255-263.

9215580

AEC-HP-tr-1056

Sci-Phys
Nov 63

242,444

The Impact of Meteorites as a Ballistics Problem
in Space Travel, by R. Schall, 7 pp.
GERMAN, per, Physikalische Blatter, Vol XVIII,
No 7, 1962, pp 308-313.
Navy Tr 3798/
NRL 974

Sci - Phys, Earth Sci & Astron
May 64

256,979

Physikalische Chemie der Kolloide. 1953, by S. M.
Lipatov

Translated from the Russian edition, 1948.

DSIR 541.18
Lending Lib Unit
G. 11707

On the Spin and the Structure of Electrons,
by F. Bopp, 14pp
GERMAN, per, Physikalische Gesellschaft,
22 Oct 48, pp 58-778
OTS TT-64-71271

Sci - Phy
May 67

516
326, ~~196~~

Apparatus for the Manufacture of Dielectric
Multiple Layers, by G. Schreiber, 9 pp.
GERMAN, per, Physikalische Gesellschaft in der
Deutschen Demokratischen Republik "Optik und
Spektroskopie Aller Wellenlangen", 1962,
pp 149-156.
P100134568-V
FTD-BT-67-299

Sci-Physics
July 68

360,714

Laser Transition and Superradiation at 6143Å and 5944Å
in a Pulsed Neon Discharge, by D. Rosenberger.
GERMAN, per Phys. Lett., Vol. 13, No. 3, 1964
GB 60/NSTIC 1708

Sci -
Aug 67

339-443

English Title Unknown, by O. Schultze.
GERMAN, per, Physikalisch-Medicinische Gesell-
schaft, Vol 28, No 2, 1894, pp 1-22.
*NASA TT F-12,577

Sept 69

English Title Unknown, by O. Schultze.
GERMAN, per, Physikalisch-Medicinische Gesell-
schaft, No 4, 1897, pp 41-48.
*NASA TT F-12,580

Sept 09

Keyser's Physics of the Ocean. 37 pp.
GERMAN, bk, Physik des Meeres, Second Edition,
pp 201-233.
Dept of Navy N00 Tran Contract 33

Sci-Bar Sci
Dec 69

397,408

The Dislocation Structure of the Boundary
Layer When Silver and Copper are Joined,
by Ulrich Gradmann. 10 pp.

GOVERNMENT USE ONLY

GERMAN, per, Physik der Univ Marburg Phys
Kondens, Materie, Vol 3, 1964, pp 91-98.
NASA TT F-12,350

Sci-Phys
Oct 69

394,581

(FDD 25992)

Geophysicists Meeting in Munich, 31 pp.

GERMAN, irreg, publ, Physikalische Verhandlungen,
Vol VI, No 5, Mosback/Baden, 1955, pp 87-100.

CIA/FDD/U-666

EEur - Germany
Sci - Geophysics

30,554

CTS 75/Dec 55

Production of a Stream of Hydrogen Atoms With
Unidirectional in Clear Spin, by A. Clausnitzer.

GERMAN, per, Physikalische Verhandlungen, Vol ^{VIII} 8,
1957,

*AEC

Sci - Nuc Phys

Dec 58

CEA-tr-A-840 UNCL.

UN TUBE GÉNÉRATEUR DE NEUTRONS ENTIÈREMENT SCELLÉ.
(On Generation of Neutrons in Completely Sealed
Tubes). O. Reifenschweiler and A. C. Van Dorsten.
Translated into French from Physik. Verhandl., 8:
No. 7, 163 (1957). 10p.

Particle Physics; Translations MC-34

C-34 NP NSA

2/27/61/rw

Expansion of the Measuring Range of an Electrostatic
Mass Spectrometer, by R. Behrisch, E. Blauth,
F. Melzer, 15 pp.

GERMAN, per, Physikalische Verhandlungen, Vol XII,
1961, pp 224. 9093518

AEC Tr-5092

Sci - Phys
Vol 62

204,690

The Distribution of Higher Energy Reflections
in Auditoria, by G. R. Schodder.

GERMAN, thesis, III Physikalisches Institut der
Mathematisch-Naturwissenschaftlichen Fakultät der
Georg-August-Universität, Göttingen, Sep 1955.

D.S.I.R./27857/CT

Sci - Physics
May 57 CTS/dex

48,052

Wireless Telegraphy and Electrodynamics, by [^]X M.
Abraham, 20 pp.

GERMAN, per, Physik Z, Vol II, No 22, 2 Mar 1901,
pp 329-334. _____

SLA Tr 57-1591

Sci - Electricity
Oct 57

54,495

Simplified Determination of a Linear Resonator's
Oscillation Laws in the Stationary Radiation Field,
by Max Plank, 9 pp.

GERMAN, per, Physikalische Zeitschrift, No 36,
25 May 1901.

CIA/FDD X-4263

Sci - Physics
May 60

116,325

A Simple Method for the Determination of the
Temperature of Immature Flies, by S. HARRISON.

Genet., exp. Evolution 2:157-158, 1952, pp 157-158.

0753 2951

Vol - Eight
Aug 63

341,388

Fundamental Hypothesis of Electron Theory,
by M. Abraham.
GERMAN, per, Physikalische Zeitschrift,
Vol 5, 1904, pp 576-579.
*NASA TT F-12,409

Sci-Elec
June 69

Concerning a Photoelectric Photometer and Observations
With It During the Total Solar Eclipse of Aug 30, 1905,
by F. Harms.
GERMAN, per, Physikalische Zeitschrift, Vol 7, No 17,
1906, pp 585-587.
*AFCRL

Jan 72

On a Method of Making the Discharges of
Condenser Circuits With Spark Gaps More Regular,
by W. Riekhoff, 2 pp.

GERMAN, per, Physik Z, Vol VIII, No 25, 1907,
PP 923, 924.

SLA Tr 57-2233

Sci
Jul 58

68,079

Concerning Slow Cathode Rays, by O. Beyer, 17 pp.

GERMAN, per, Phys Z, Vol X, 1909, p 168.

S.L.A. Tr 57-323

Sci - Electricity
May 57

48,727

Sound Propagation From Catastrophic Explosions,
by G. Borne, 11 pp.

GERMAN, per, Physikalische Zts., Vol XI, 1910.

S.L.A. Tr 58

EEur - Germany
Scientific - Physics

32,746

Colored Hydrides of the Alkali Metals and Their
Photoelectric Sensitiveness, by J. Elster, H.
Geitel, 17 pp.

GERMAN, per, Physik Z. Vol XI, No 7, 1 Apr 1910,
p 257.

SLA 57-1548

Sci - Minerals/Metals
Mar 58

59,998

On a Special Type of Discontinuous Spectra of
Solid Bodies, by E. Goldstein, 9 pp.

GERMAN, per, Physikalische Z., Vol XI, 1910, pp
430-433.

SLA 59-10595

Sci - Phys
Jul 59
OTS I, 11

91,006

Conditions ~~///~~ Which Are Magnetically Analogous, by
R. Gans, 30 pp.

GERMAN, pe^r, Phys Z, Vol II, No 11, 1910.

SIA 57-3236

Sci

Aug 58

72,009

Electromagnetic Action of Metallic Ions,
Deflected by a Magnetic Field, by O. M. Corbino,
23 pp.

GERMAN, per, Physik Z, Vol XII, No ¹⁴ 82,
15 Jul 1911.

SLA Tr 2175

Sci - Physics
Sep 57

53,052

TT-64-10372

Corbino, O. M.

ELECTROMAGNETIC EFFECTS RESULTING FROM THE DISTORTION, PRODUCED BY A FIELD, IN THE TRAJECTORY OF THE IONS IN METALS (Elektrische Effekte, die von der Verzerrung der Ionen, welche ein Feld und der Bahn der Ionen in Metallen hervorbringt). [1963] 16p 2r/1a
Order from SLA \$1.60

TT-64-10372

Trans. of Physikalische Zeitschrift (Germany) 1911, v. 12, no. 14, p. 561-568.

DESCRIPTORS: Metals, Ions, *Electromagnetic fields, Distortion, *Electromagnetic properties, *Hall effects

(Physics--Electricity, TT. v. 11, no. 9)

I. Corbino, O. M.

Office of Technical Services

Investigations of Photoelectric Cells With
Colored Potassium Cathodes, by J. Elster,
H. Geitel, 15 pp.

GERMAN, per, Physik Z, Vol XII, No 15, 1911,
p 609-.

SLA 57-2219.

May 58

64,548

The Study of Emission Spectra of Solid Aromatic
Substances by Means of the Ultraviolet Filter, by
E. Goldstein, 11 pp.

GERMAN, par, Physikalische Z, Vol XII, 1911,
pp 614-620.

SLA 59-10638

Sci
Nov 59
Vol 2, No 3

101,524

Experimental Study of the Hall Effect and the
Electron Theory of Metals, by O. M. Corbino,
11 pp.

GERMAN, per, Physik Z., Vol XX, No 12, 15 Oct
1911.

SLA Tr 57-2196

Sci

Jul 58

68,001

On the Mechanisms of Fluids and Drag, by Th. Von
Karman.
GERMAN, per, Physikalische Zeitschrift, Vol13, No 2,
Jan 15, 1912, pp 49-59.
*NASA TT F-11,958

Sept 68

Vibrations in Space Lattices, by M. Born,
T. von Karman.

GERMAN, per, Physik Z, No 13, 1912, pp 297-309.

RAE 930

Sci - Phys

167, 855

Sep 61

Investigation of the Principal Spectra of Aromatic
Compounds by Means of Ultraviolet Light, by L.
Goldstein, 10 pp.

GERMAN, Opt, Physik Z, Vol XIII, No 13, 1912,
pp 577-583.

USA 59-10639

Sci - Chem
Sep 59
Vol 2, No 2

97 999

The External Friction of Gases and A New Principle
For Vacuum Pumps. : The Molecular Vacuum Pump, by
W. Gaede, 12 pp.

GERMAN, per, Phys Z, Vol XIII, 1912, pp 864-870.

AEC Tr 1751

Scientific - Physics

Jan 54 CTS/DEX

9187

The Elasticity Problem for Thin Shells of Toroidal,
Spherical, or Conical Shape, by E. Meissner, 15 pp.

GERMAN, per, Physik Z. Vol XIV, 1913.

SLA Tr 57-1342

Sci - Physics

54,602

Oct 57

Shape of the Curve of the Magnetic Induction of
very Thin Sheets of Iron With High Frequencies,
Depending Upon the Thickness of the Sheets,
(Effect of the Magnetic Skin-Effect), by H. Fassbender,
E. Hupka, 4 pp.

GERMAN, per, Physik. Z., Vol XIV, No 21, 1 Nov 1913,

SLA Tr 57-1581

Sci - Electronics
Jan 58

58,178

Heat Conductivity, Specific Heat and Internal
Friction of Gases, by A. Bucken, 15 pp.

GERMAN, per, Physik Z, Vol XIV, 1913, pp 324-332.
9079920

AEC Tr-4650

Sci
Aug 61

164, 908

Principles of Least Work Deformation, by
Theodor Foschi. 5 pp.
GERMAN, per, Physik Zeit, Vol 14, May 1913,
pp 410-412.
NASA TT F-12,527

Sci-Math
Nov 69

395,800

The Fresnel Diffraction Phenomena, by
W. Arkadiow, 11 pp.

GERMAN, per, Physikalische Zeitschrift, Vol XIV,
1913, pp 832-835. 9668687

Amer Meteorol Soc T-G-174

Sci - Phys
May 63

231,948

A New Type of Absorption Spectrum, by J .
Koenigsberger and K. Vogt, 7 pp.

GERMAN, Per, Physik Z., Vol XIV, 1913, P.
1269-1271

SLA 3237

Sci

Jul 58

68,745

Dependence of Plasticity of Rock Salt on the
Surrounding Medium, by K. Kleinhanns, 3 pp.
UNCLASSIFIED

GERMAN, per, Physik Z, Vol XV, 1914, pp 362, 363.

AEC Tr 3136

Sci - Phys
Feb 58

59,298

On the Quantum Theory of Radiation, by Albert Einstein

GERMAN, per, Physikalische Zeit, Vol XVIII, 1917, pp 121-128.

Air Res and Dev Command
Ex TT-3 G TT-1140
(translation on tape)

Scientific - Physics
Jan 56 CTS

30,230